

Nirman Chakraborty

List of Publications by Year in descending order

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7
papers

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1478505

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docs citations

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19
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopant-mediated surface charge imbalance for enhancing the performance of metal oxide chemiresistive gas sensors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1968-1976.	5.5	13
2	Ammonia Sensing by Sn ¹⁺ V ^x O ₂ Mesoporous Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020, 3, 7572-7579.	5.0	12
3	Roles of structure and electron mobilization in enhanced ethanol sensing by Al doped SnO ₂ nanoparticles. <i>Materials Advances</i> , 2021, 2, 3760-3769.	5.4	12
4	Dopant-induced cationic bivalency in hierarchical antimony-doped tin oxide nano-particles for room-temperature SO ₂ sensing. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21824-21834.	10.3	12
5	Chemiresistive NH ₃ detection at sub-zero temperatures by polypyrrole-loaded Sn ⁺ Sb ^x O ₂ nanocubes. <i>Materials Horizons</i> , 2022, 9, 1750-1762.	12.2	12
6	Poly aniline (PANI) loaded hierarchical Ti ^x Sb _x O ₂ rutile phase nanocubes for selective room temperature detection of benzene vapor. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130622.	7.8	8
7	Surface-analyte interaction as a function of topological polar surface area of analytes in metal (Cd,) Tj ETQq1 1 0.784314 rgBT /Overlock 2022, 341, 113610.	4.1	4